**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| Item no. 01 | | Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer-in-charge of the work . | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| | | KEB layout (from Vijayamma house) | | | | | | | |
| 4 | 11 | | Sqm | 1 | 7.00 | 0.90 | | 6.30 | |
| 23 | 28 | | Sqm | 1 | 5.00 | 0.90 | | 4.50 | |
| 36 | 42 | | Sqm | 1 | 6.00 | 0.90 | | 5.40 | |
| 52 | 58 | | Sqm | 1 | 6.00 | 0.90 | | 5.40 | |
| 66 | 72 | | Sqm | 1 | 6.00 | 0.90 | | 5.40 | |
| 78 | 88 | | Sqm | 1 | 10.00 | 0.90 | | 9.00 | |
| 95 | 103 | | Sqm | 1 | 8.00 | 0.90 | | 7.20 | |
| 109 | 119 | | Sqm | 1 | 10.00 | 0.90 | | 9.00 | |
| 122 | 132 | | Sqm | 1 | 10.00 | 0.90 | | 9.00 | |
| 139 | 146 | | Sqm | 1 | 7.00 | 0.90 | | 6.30 | |
| | | | | | | | Total | 67.50 | |

Contactor

CIVIL Pro Sig Date BMC BANGALORE

8/11/19
Assistant Engineer

8/11/19
Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| Item No. 02 | | Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work . | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| | | CC Drain | | | | | | | |
| | | 3rd A cross | | | | | | | |
| | | LHS ( towards main road) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 30 | 32.4 | | Cum | 1 | 2.40 | 1.10 | 1.10 | 2.90 | |
| | | | | | | | | | |
| 39.4 | 54.4 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 54.4 | 58.8 | | Cum | 1 | 4.40 | 1.10 | 1.10 | 5.32 | |
| | | RHS (from main road) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 45 | 56 | | Cum | 1 | 11.00 | 1.10 | 1.10 | 13.31 | |
| | | 4th A Cross | | | | | | | |
| | | RHS towards main road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 60 | 72.6 | | Cum | 1 | 12.60 | 1.10 | 1.10 | 15.25 | |
| | | LHS from Main | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 60 | 75.1 | | Cum | 1 | 15.10 | 1.10 | 1.10 | 18.27 | |
| | | 6th A Cross | | | | | | | |

Contactor

CIVIL Pro Sig PMC BANGALORE

11/11/2019
Assistant Engineer

8/11/19
Assistant Executive Engineer

## BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

### PRE MEASUREMENT SHEET
### FIRST AND FINAL BILL

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 30 | 46.3 | | Cum | 1 | 16.30 | 1.10 | 1.10 | 19.72 | |
| | | Umamaheshwari temple left (In main road) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 32.1 | | Cum | 1 | 17.10 | 1.10 | 1.10 | 20.69 | |
| | | (Front of Umamaheshwari temple) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 30 | 41.4 | | Cum | 1 | 11.40 | 1.10 | 1.10 | 13.79 | |
| | | KEB layout (from Vijayamma house) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 75 | 91.2 | | Cum | 1 | 16.20 | 1.10 | 1.10 | 19.60 | |
| 98.65 | 106.3 | 91.2 to 98.65 No drain | Cum | 1 | 7.60 | 1.10 | 1.10 | 9.20 | |
| 106.25 | 121.3 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 121.25 | 136.3 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 136.3 | 151.3 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 151.3 | 166.3 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 166.3 | 181.3 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 181.3 | 196.3 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 196.3 | 211.3 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 211.3 | 222.3 | | Cum | 1 | 11.00 | 1.10 | 1.10 | 13.31 | |
| 222.3 | 223.6 | | Cum | 1 | 1.30 | 1.10 | 1.10 | 1.57 | |
| 223.6 | 234.2 | | Cum | 1 | 10.60 | 1.10 | 1.10 | 12.83 | |
| | | KEB layout | | | | | | | |
| | | Cross Road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | C&FC |

Contactor

CIVIL Pro BANGALORE RMC

11/11/2019
Assistant Engineer

11/11/19
Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 75 | 90 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 90 | 100 | | Cum | 1 | 10.00 | 1.10 | 1.10 | 12.10 | |
| | | Suryavamshi | | | | | | | |
| | | Main Road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 75 | 90 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 90 | 105 | | Cum | 1 | 15.00 | 1.10 | 1.10 | 18.15 | |
| 105 | 115 | | Cum | 1 | 10.00 | 1.10 | 1.10 | 12.10 | |
| | | For Culvert | | | | | | | |
| | | 6th A cross | Cum | 1 | 3.45 | 1.50 | 1.10 | 5.69 | |
| | | KEB layout | Cum | 1 | 8.70 | 1.50 | 1.10 | 14.36 | |
| | | | Cum | 1 | 7.50 | 1.50 | 1.10 | 12.38 | |
| | | | Cum | 1 | 5.30 | 1.50 | 1.10 | 8.75 | |
| | | | | | | | | | |
| | | 4thA Cross | Cum | 1 | 6.00 | 1.50 | 1.10 | 9.90 | |
| | | 5thA Cross | Cum | 1 | 6.00 | 1.50 | 1.10 | 9.90 | |
| | | 6thA Cross | Cum | 1 | 6.00 | 1.50 | 1.10 | 9.90 | |
| | | For Desilt | | | | | | | |
| | | Cross Road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| 60 | 75 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| 75 | 90 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| 90 | 105 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| 105 | 120 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| 120 | 135 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| 135 | 150 | | Cum | 1 | 15.00 | 0.60 | 0.50 | 4.50 | |
| | | | | | | | | 4.50 | |
| | | Over Burden | Cum | 2 | 51.00 | 1.20 | 0.60 | 73.44 | |
| | | | | | | | TOTAL | 1177.88 | |

Contactor

CIVIL Pro Sig PMC BANGALORE

Assistant Engineer 11/11/2019

Assistant Executive Engineer 11/11/19

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| Item no.03 | | Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work . | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| | | CC Drain | | | | | | | |
| | | 3rd A cross | | | | | | | |
| | | LHS ( towards main road) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 32.4 | | Cum | 1 | 2.40 | 1.10 | 0.15 | 0.40 | |
| 39.4 | 54.4 | 32.4 To 39.4 No Drain | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 54.4 | 58.8 | | Cum | 1 | 4.40 | 1.10 | 0.15 | 0.73 | |
| | | RHS (from main road) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 45 | 56 | | Cum | 1 | 11.00 | 1.10 | 0.15 | 1.82 | |
| | | 4th A Cross | | | | | | | |
| | | RHS towards main road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 60 | 72.6 | | Cum | 1 | 12.60 | 1.10 | 0.15 | 2.08 | |
| | | LHS from Main | | | | | | | |
| | | | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |

Contactor

CIVIL Pro PMC BANGALORE

Assistant Engineer 14/11/2019

14/11/2019

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 60 | 75.1 | | Cum | 1 | 15.10 | 1.10 | 0.15 | 2.49 | |
| | | 6th A Cross | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 46.3 | | Cum | 1 | 16.30 | 1.10 | 0.15 | 2.69 | |
| | | Umamaheshwari temple left (In main road) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 32.1 | | Cum | 1 | 17.10 | 1.10 | 0.15 | 2.82 | |
| | | (Front of Umamaheshwari temple) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 41.4 | | Cum | 1 | 11.40 | 1.10 | 0.15 | 1.88 | |
| | | KEB layout (from Vijayamma house) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 75 | 91.2 | | Cum | 1 | 16.20 | 1.10 | 0.15 | 2.67 | |
| 98.65 | 106.3 | 91.2 to 98.65 No Drain | Cum | 1 | 7.60 | 1.10 | 0.15 | 1.25 | |
| 106.25 | 121.3 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 121.25 | 136.3 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 136.3 | 151.3 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 151.3 | 166.3 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 166.3 | 181.3 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 181.3 | 196.3 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 196.3 | 211.3 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 211.3 | 222.3 | | Cum | 1 | 11.00 | 1.10 | 0.15 | 1.82 | |
| 222.3 | 223.6 | | Cum | 1 | 1.30 | 1.10 | 0.15 | 0.21 | |
| 223.6 | 234.2 | | Cum | 1 | 10.60 | 1.10 | 0.15 | 1.75 | |
| | | KEB layout | | | | | | | |
| | | Cross Road | | | | | | | |

Contactor

PMC BANGALORE

14/11/2019
Assistant Engineer

14/11/2019
Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 75 | 90 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 90 | 100 | | Cum | 1 | 10.00 | 1.00 | 0.15 | 1.50 | |
| | | Suryavamshi | | | | | | | |
| | | Main Road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 75 | 90 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 90 | 105 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 105 | 115 | | Cum | 1 | 10.00 | 1.00 | 0.15 | 1.50 | |
| | | | | | | | | | |
| | | For Culvert | | | | | | | |
| | | 6th A cross | Cum | 1 | 3.45 | 1.50 | 0.15 | 0.78 | |
| | | KEB layout | Cum | 1 | 8.70 | 1.50 | 0.15 | 1.96 | |
| | | | Cum | 1 | 7.50 | 1.50 | 0.15 | 1.69 | |
| | | | Cum | 1 | 5.30 | 1.50 | 0.15 | 1.19 | |
| | | 4thA Cross | Cum | 1 | 6.00 | 1.50 | 0.15 | 1.35 | |
| | | 5thA Cross | Cum | 1 | 6.00 | 1.50 | 0.15 | 1.35 | |
| | | 6thA Cross | Cum | 1 | 6.00 | 1.50 | 0.15 | 1.35 | |
| | | For CC Road | | | | | | | |
| | | 3rd A cross | | | | | | | |
| 0 | 2.3 | | Cum | 1 | 2.30 | 3.50 | 0.15 | 1.21 | |
| 2.3 | 17.3 | | Cum | 1 | 15.00 | 3.65 | 0.15 | 8.21 | |
| 17.3 | 32.3 | | Cum | 1 | 15.00 | 3.90 | 0.15 | 8.78 | |
| 32.3 | 47.3 | | Cum | 1 | 15.00 | 4.20 | 0.15 | 9.45 | |
| 47.3 | 58.8 | | Cum | 1 | 11.50 | 4.65 | 0.15 | 8.02 | |
| | | 5th A Cross | | | | | | | |
| | | From main road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 5.15 | 0.15 | 11.59 | |
| 15 | 30 | | Cum | 1 | 15.00 | 5.15 | 0.15 | 11.59 | |
| 30 | 45 | | Cum | 1 | 15.00 | 5.50 | 0.15 | 12.38 | |
| 45 | 60 | | Cum | 1 | 15.00 | 5.65 | 0.15 | 12.71 | CVFC |

Contactor

CIVIL Pro Sig BBMC BANGALORE

Assistant Engineer 14/11/2019

14/11/2019

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| 60 | 75 | | Cum | 1 | 15.00 | 5.05 | 0.15 | 11.36 | |
| 75 | 86.1 | | Cum | 1 | 11.10 | 4.70 | 0.15 | 7.83 | |
| 87.6 | 95.2 | | Cum | 1 | 7.60 | 4.90 | 0.15 | 5.59 | |
| | | | | | | | TOTAL | 249.95 | |

Contactor

CIVIL Pro Sig Date PMC BANGALORE

14/11/2019
Assistant Engineer

14/11/2019
Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| Item no.05 | | Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of Engineer in-charge. | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| | | for Drain 70 kg | Tonne | From calculation sheet | | | | 20.27 | |
| | | for Culvert 100kg | Tonne | From calculation sheet | | | | 2.69 | |
| | | | | | | | TOTAL | 22.97 | |

Contactor

CIVIL Pro PMC BANGALORE

Assistant Engineer 15/11/2019

Assistant Executive Engineer 15/11/2019

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

**STEEL CALCULATION**

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | kg/m | Kg's |
| Item no.05 | | **Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.** | | | | | | | |
| Measurements Taken On | | | | | | | | | |
| | **3rd A cross** | | | | | | | | |
| | **LHS ( towards main road)** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 433 | 433 | 2.40 | 1039.20 | 0.887814 | 922.62 |
| | Distribution(13-#8) | 1 | 8 | 13 | 13 | 51.80 | 673.40 | 0.394584 | 265.71 |
| | **RHS (from main road)** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 468 | 468 | 2.58 | 1207.44 | 0.887814 | 1071.98 |
| | Distribution(13-#8) | 1 | 8 | 13 | 13 | 56.00 | 728.00 | 0.394584 | 287.26 |
| | **4th A Cross** | | | | | | | | |
| | **RHS towards main road** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 606 | 606 | 2.11 | 1278.66 | 0.887814 | 1135.21 |
| | Distribution(13-#8) | 1 | 8 | 13 | 13 | 72.60 | 943.80 | 0.394584 | 372.41 |
| | **LHS from Main** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 627 | 627 | 2.15 | 1348.05 | 0.887814 | 1196.82 |
| | Distribution(13-#8) | 1 | 8 | 13 | 13 | 75.10 | 976.30 | 0.394584 | 385.23 |
| | **6th A Cross** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 387 | 387 | 2.40 | 928.80 | 0.887814 | 824.60 |
| | Distribution(12-#8) | 1 | 8 | 12 | 12 | 46.30 | 555.60 | 0.394584 | 219.23 |
| | **Umamaheshwari temple left (In main road)** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 269 | 269 | 2.35 | 632.15 | 0.887814 | 561.23 |
| | Distribution(12-#8) | 1 | 8 | 12 | 12 | 32.10 | 385.20 | 0.394584 | 151.99 |
| | **(Front of Umamaheshwari temple)** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 346 | 346 | 2.21 | 764.66 | 0.887814 | 678.88 |
| | Distribution(12-#8) | 1 | 8 | 12 | 12 | 41.4 | 496.80 | 0.394584 | 196.03 |

Contractor

CIVIL Pro Sig PMC BANGALORE

Assistant Engineer 15/11/2019

15/11/2019

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

**STEEL CALCULATION**

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | kg/m | Kg's |
| | **KEB layout (from Vijayamma house)** | | | | | | | | |
| | Main Bars (#12@120 c/c) | 1 | 12 | 1891 | 1891 | 2.39 | 4519.49 | 0.887814 | 4012.47 |
| | Distribution(13-#8) | 1 | 8 | 13 | 13 | 226.7 | 2947.10 | 0.394584 | 1162.88 |
| | **6th Cross Road** | | | | | | | | |
| | Main Bars (#12@120 c/c) | 1 | 12 | 810 | 810 | 2.35 | 1903.50 | 0.887814 | 1689.95 |
| | Distribution(12-#8) | 1 | 8 | 12 | 12 | 97 | 1164.00 | 0.394584 | 459.30 |
| | **KEB layout** | | | | | | | | |
| | **Cross Road** | | | | | | | | |
| | Main Bars (#12@120 c/c) | 1 | 12 | 835 | 835 | 2.35 | 1962.25 | 0.887814 | 1742.11 |
| | Distribution(12-#8) | 1 | 8 | 12 | 12 | 100 | 1200.00 | 0.394584 | 473.50 |
| | **Suryavamshi** | | | | | | | | |
| | Main Road | | | | | | | | |
| | Main Bars (#12@120 c/c) | 1 | 12 | 960 | 960 | 2.25 | 2160.00 | 0.887814 | 1917.68 |
| | Distribution(12-#8) | 1 | 8 | 12 | 12 | 115 | 1380.00 | 0.394584 | 544.53 |
| | **Culvert** | | | | | | | | |
| | **6th A cross** | | | | | | | | |
| | **side wall** | | | | | | | | |
| | Main Bars outer face (#16@150 c/c) | 1 | 16 | 24 | 24 | 2.90 | 69.60 | 1.578336 | 109.85 |
| | Main Bars inner face (#16@150 c/c) | 1 | 16 | 24 | 24 | 2.50 | 60.00 | 1.578336 | 94.70 |
| | **Distribution** | | | | | | | | |
| | side walls(15#10) | 2 | 10 | 15 | 30 | 0.80 | 24.00 | 0.616538 | 14.80 |
| | **bottom slab(15-#10)** | 1 | 10 | 15 | 15 | 1.30 | 19.50 | 0.616538 | 12.02 |
| | **KEB layout** | | | | | | | | |
| | **side wall** | | | | | | | | |
| | Main Bars outer face (#16@150 c/c) | 1 | 16 | 59 | 59 | 2.90 | 171.10 | 1.578336 | 270.05 |
| | Main Bars inner face (#16@150 c/c) | 1 | 16 | 59 | 59 | 2.50 | 147.50 | 1.578336 | 232.80 |
| | **Distribution** | | | | | | | | |
| | side walls(15#10) | 2 | 10 | 15 | 30 | 0.80 | 24.00 | 0.616538 | 14.80 |
| | **bottom slab(15-#10)** | 1 | 10 | 15 | 15 | 1.30 | 19.50 | 0.616538 | 12.02 |
| | **KEB layout** | | | | | | | | |
| | **side wall** | | | | | | | | |

Contractor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer 15/11/2019

Assistant Executive Engineer 15/11/2019

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

**STEEL CALCULATION**

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | kg/m | Kg's |
| | Main Bars outer face ( #16@150 c/c) | 1 | 16 | 51 | 51 | 2.90 | 147.90 | 1.578336 | 233.44 |
| | Main Bars inner face ( #16@150 c/c) | 1 | 16 | 51 | 51 | 2.50 | 127.50 | 1.578336 | 201.24 |
| | **Distribution** | | | | | | | | |
| | side walls(15#10) | 2 | 10 | 15 | 30 | 0.80 | 24.00 | 0.616538 | 14.80 |
| | **bottom slab(15-#10)** | 1 | 10 | 15 | 15 | 1.30 | 19.50 | 0.616538 | 12.02 |
| | **KEB layout** | | | | | | | | |
| | **side wall** | | | | | | | | |
| | Main Bars outer face ( #16@150 c/c) | 1 | 16 | 37 | 37 | 2.90 | 107.30 | 1.578336 | 169.36 |
| | Main Bars inner face ( #16@150 c/c) | 1 | 16 | 37 | 37 | 2.50 | 92.50 | 1.578336 | 146.00 |
| | **Distribution** | | | | | | | | |
| | side walls(15#10) | 2 | 10 | 15 | 30 | 0.80 | 24.00 | 0.616538 | 14.80 |
| | **bottom slab(15-#10)** | 1 | 10 | 15 | 15 | 1.30 | 19.50 | 0.616538 | 12.02 |
| | **4thA Cross** | | | | | | | | |
| | **side wall** | | | | | | | | |
| | Main Bars outer face ( #16@150 c/c) | 1 | 16 | 41 | 41 | 2.90 | 118.90 | 1.578336 | 187.66 |
| | Main Bars inner face ( #16@150 c/c) | 1 | 16 | 41 | 41 | 2.50 | 102.50 | 1.578336 | 161.78 |
| | **Distribution** | | | | | | | | |
| | side walls(15#10) | 2 | 10 | 15 | 30 | 0.80 | 24.00 | 0.616538 | 14.80 |
| | **bottom slab(15-#10)** | 1 | 10 | 15 | 15 | 1.30 | 19.50 | 0.616538 | 12.02 |
| | **5thA Cross** | | | | | | | | |
| | **side wall** | | | | | | | | |
| | Main Bars outer face ( #16@150 c/c) | 1 | 16 | 41 | 41 | 2.90 | 118.90 | 1.578336 | 187.66 |
| | Main Bars inner face ( #16@150 c/c) | 1 | 16 | 41 | 41 | 2.50 | 102.50 | 1.578336 | 161.78 |
| | **Distribution** | | | | | | | | |
| | side walls(15#10) | 2 | 10 | 15 | 30 | 0.80 | 24.00 | 0.616538 | 14.80 |
| | **bottom slab(15-#10)** | 1 | 10 | 15 | 15 | 1.30 | 19.50 | 0.616538 | 12.02 |
| | **6thA Cross** | | | | | | | | |
| | **side wall** | | | | | | | | |
| | Main Bars outer face ( #16@150 c/c) | 1 | 16 | 41 | 41 | 2.90 | 118.90 | 1.578336 | 187.66 |
| | Main Bars inner face ( #16@150 c/c) | 1 | 16 | 41 | 41 | 2.50 | 102.50 | 1.578336 | 161.78 |
| | **Distribution** | | | | | | | | |
| | side walls(15#10) | 2 | 10 | 15 | 30 | 0.80 | 24.00 | 0.616538 | 14.80 |
| | **bottom slab(15-#10)** | 1 | 10 | 15 | 15 | 1.30 | 19.50 | 0.616538 | 12.02 |
| | | | | | | | | **TOTAL QTY IN KG'S** | 22965.12 |
| | | | | | | | | **TOTAL QTY IN TONNE** | 22.97 |

Contractor

PMC

Assistant Engineer

15/11/19

Assistant Executive Engineer

15/11/2019

## BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

### PRE MEASUREMENT SHEET
### FIRST AND FINAL BILL

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| Item no. 08 | | Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications.and as per the directions of Engineer in-charge. | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| | | 3rd A cross | | | | | | | |
| 0 | 2.3 | | Cum | 1 | 2.30 | 0.50 | 0.60 | 0.69 | |
| 2.3 | 17.3 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 17.3 | 32.3 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 32.3 | 47.3 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 47.3 | 58.8 | | Cum | 1 | 11.50 | 0.50 | 0.60 | 3.45 | |
| | | 4th A Cross | | | | | | | |
| | | Towards main road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 60 | 74 | | Cum | 1 | 14.00 | 0.50 | 0.60 | 4.20 | |
| | | 5th A Cross | | | | | | | |
| | | From main road | | | | | | | |
| | | | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 60 | 75 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 75 | 86.1 | | Cum | 1 | 11.10 | 0.50 | 0.60 | 3.33 | |
| 87.6 | 95.2 | | Cum | 1 | 7.60 | 0.50 | 0.60 | 2.28 | |
| | | KEB layout (from Vijayamma house) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 15 | 33.5 | | Cum | 1 | 18.50 | 0.50 | 0.60 | 5.55 | |
| | | | | | | | Total | 78.00 | |

Contactor

CIVIL PWD BANGALORE

Assistant Engineer 12/11/19

12/11/2019
Assistant Executive Engineer

## BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

### PRE MEASUREMENT SHEET
### FIRST AND FINAL BILL

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| Item no. 09 | | Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.and as per the directions of Engineer in-charge. | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| | | 3rd A cross | | | | | | | |
| 0 | 2.3 | | Cum | 1 | 2.30 | 0.45 | 0.20 | 0.21 | |
| 2.3 | 17.3 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 17.3 | 32.3 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 32.3 | 47.3 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 47.3 | 58.8 | | Cum | 1 | 11.50 | 0.45 | 0.20 | 1.04 | |
| | | 4th A Cross | | | | | | | |
| | | Towards main road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 60 | 74 | | Cum | 1 | 14.00 | 0.45 | 0.20 | 1.26 | |
| | | 5th A Cross | | | | | | | |
| | | From main road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 60 | 75 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 75 | 86.1 | | Cum | 1 | 11.10 | 0.45 | 0.20 | 1.00 | |
| 87.6 | 95.2 | | Cum | 1 | 7.60 | 0.45 | 0.20 | 0.68 | |
| | | KEB layout (from Vijayamma house) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.45 | 0.20 | 1.35 | |
| 15 | 33.5 | | Cum | 1 | 18.50 | 0.45 | 0.20 | 1.67 | |
| | | | | | | | Total | 23.40 | |

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer 16/11/19

14/11/2019

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| Item no. 10 | | Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. and as per the directions of Engineer in-charge. | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| | | 3rd A cross | | | | | | | |
| 0 | 2.3 | | Rmtr | 1 | 2.30 | | | 2.30 | |
| 2.3 | 17.3 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 17.3 | 32.3 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 32.3 | 47.3 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 47.3 | 58.8 | | Rmtr | 1 | 11.50 | | | 11.50 | |
| | | 4th A Cross | | | | | | | |
| | | Towards main road | | | | | | | |
| 0 | 15 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 15 | 30 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 30 | 45 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 45 | 60 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 60 | 74 | | Rmtr | 1 | 14.00 | | | 14.00 | |
| | | 5th A Cross | | | | | | | |
| | | From main road | | | | | | | |
| 0 | 15 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 15 | 30 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 30 | 45 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 45 | 60 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 60 | 75 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 75 | 86.1 | | Rmtr | 1 | 11.10 | | | 11.10 | |
| 87.6 | 95.2 | | Rmtr | 1 | 7.60 | | | 7.60 | |
| | | KEB layout (from Vijayamma house) | | | | | | | |
| 0 | 15 | | Rmtr | 1 | 15.00 | | | 15.00 | |
| 15 | 33.5 | | Rmtr | 1 | 18.50 | | | 18.50 | |
| | | | | | | | Total | 260.00 | |

Contactor

CIVIL Pro Sig Date BMC BANGALORE

Assistant Engineer 19/11/19

Assistant Executive Engineer 19/11/2019

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| Item no. 11 | | Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. and as per the directions of Engineer in-charge. | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| | | 3rd A cross | | | | | | | |
| 0 | 2.3 | | Cum | 1 | 2.30 | 0.50 | 0.60 | 0.69 | |
| 2.3 | 17.3 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 17.3 | 32.3 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 32.3 | 47.3 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 47.3 | 58.8 | | Cum | 1 | 11.50 | 0.50 | 0.60 | 3.45 | |
| | | 4th A Cross | | | | | | | |
| | | Towards main road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 60 | 74 | | Cum | 1 | 14.00 | 0.50 | 0.60 | 4.20 | |
| | | 5th A Cross | | | | | | | |
| | | From main road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 60 | 75 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 75 | 86.1 | | Cum | 1 | 11.10 | 0.50 | 0.60 | 3.33 | |
| 87.6 | 95.2 | | Cum | 1 | 7.60 | 0.50 | 0.60 | 2.28 | |
| | | KEB layout (from Vijayamma house) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.50 | 0.60 | 4.50 | |
| 15 | 33.5 | | Cum | 1 | 18.50 | 0.50 | 0.60 | 5.55 | |
| | | Quantity Deduct From Iteam No-09 | | | | | | -23.40 | |
| | | | | | | | Total | 54.60 | |

Contactor

PMC

Assistant Engineer 26/11/19

Assistant Executive Engineer 26/11/2019

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Harohalli main and cross roads and surrounding areas in Ward No. 02 of Yelahanka Sub Division**

**PRE MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage in m | | Description of Item | Unit | No | Length | Breadth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | (m) | (m) | | |
| Item no. 12 | | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. and as per the directions of Engineer in-charge. | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| | | 3rd A cross | | | | | | | |
| 0 | 2.3 | | Cum | 1 | 2.30 | 3.50 | 0.20 | 1.61 | |
| 2.3 | 17.3 | | Cum | 1 | 15.00 | 3.65 | 0.20 | 10.95 | |
| 17.3 | 32.3 | | Cum | 1 | 15.00 | 3.90 | 0.20 | 11.70 | |
| 32.3 | 47.3 | | Cum | 1 | 15.00 | 4.20 | 0.20 | 12.60 | |
| 47.3 | 58.8 | | Cum | 1 | 11.50 | 4.65 | 0.20 | 10.70 | |
| | | 5th A Cross | | | | | | | |
| | | From main road | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 5.15 | 0.20 | 15.45 | |
| 15 | 30 | | Cum | 1 | 15.00 | 5.15 | 0.20 | 15.45 | |
| 30 | 45 | | Cum | 1 | 15.00 | 5.50 | 0.20 | 16.50 | |
| 45 | 60 | | Cum | 1 | 15.00 | 5.65 | 0.20 | 16.95 | |
| 60 | 75 | | Cum | 1 | 15.00 | 5.05 | 0.20 | 15.15 | |
| 75 | 86.1 | | Cum | 1 | 11.10 | 4.70 | 0.20 | 10.43 | |
| 87.6 | 95.2 | | Cum | 1 | 7.60 | 4.90 | 0.20 | 7.45 | a cliff |
| | | | | | | | Total | 144.94 | |

Contactor

CIVIL Pro Sig Date BMC BANGALORE

Assistant Engineer 08/11/19

Assistant Executive Engineer 08/11/2019